

## TITLE OF THE INVENTION

ADENOVIRUS SEROTYPE 24 VECTORS, NUCLEIC ACIDS AND VIRUS PRODUCED  
THEREBY

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## ABSTRACT OF THE DISCLOSURE

Adenoviral serotypes differ in their natural tropism. The various serotypes of  
adenovirus have been found to differ in at least their capsid proteins (*e.g.*, penton-base and hexon  
proteins), proteins responsible for cell binding (*e.g.*, fiber proteins), and proteins involved in  
10 adenovirus replication. This difference in tropism and capsid proteins among serotypes has led to  
the many research efforts aimed at redirecting the adenovirus tropism by modification of the  
capsid proteins. The present invention bypasses such requirement for capsid protein  
modification as it presents a recombinant, replication-defective adenovirus of serotype 24, a rare  
adenoviral serotype, and methods for generating the alternative, recombinant adenovirus.  
15 Additionally, means of employing the recombinant adenovirus for the delivery and expression of  
exogenous genes are provided.